

# The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 17

June 25, 2014

## NSHP Sessions at SACNAS

The SACNAS meeting will be held Oct. 16-18, 2014 at the Los Angeles Convention Center and NSHP will be organizing three sessions:

- Materials Science, Friday, October 17, 10:15 AM, Contact: Luz Martinez-Miranda ([ljmm@umd.edu](mailto:ljmm@umd.edu)).
- Exploring the Solar System: The Latest News, Saturday, October 18, from 3:45 PM to 5:15 PM, contact: Ramon Lopez ([relopez@uta.edu](mailto:relopez@uta.edu)).
- Flexing Our Cosmological Muscles; What are the BICEP Results Telling Us, with talks by, Chanda Prescod-Weinstein Hsu, Sophia Cisneros, and Jesús Pando ([jpando@depaul.edu](mailto:jpando@depaul.edu))



See you there!

## NSHP becoming "legal"

Thanks to several NSHPers led by Jesus Pando, the National Society of Hispanic Physicists, Inc. is now incorporated in the Commonwealth of Virginia, effective May 23, 2014 ! There will be more news soon as the process is finalized with a review of the bylaws, etc. The bad news is that you can expect membership dues soon. As Jesus put it, "We are on our way to becoming legal...that is somehow apropos considering who we represent...we almost have our green card!"



Thanks Dr. Pando!

## Second Andean School on Nuclear Physics

October 6th to 10th 2014, Universidad Nacional de Colombia, Bogotá, Colombia



We are glad to announce the Second Andean School on Nuclear Physics to be held at Universidad Nacional de Colombia, Bogotá, from October 6'th – 10'th 2014. The focus of the school will be to present theoretical studies, experimental and applications aspects of nuclear physics and related techniques. The school will have distinguished speakers from: Rutgers University and Washington University in Saint Louis (USA), University of Sao Paulo (Brazil), Padova University (Italy), GSI (Germany) and the International Atomic Energy Agency (Vienna). The School is organized by the Universidad Nacional de Colombia and the Universidad de los Andes Colombia in cooperation with the International Atomic Energy Agency and the Servicio Geológico Colombiano. Financial support for a limited number of students from outside Bogotá will be available.

Important dates: Inscriptions: **30th June 2014**, Acceptances: 30th July 2014, Event: 6th to 10th October 2014

Detailed information can be found in the web page: <http://www.gfnun.unal.edu.co/andeanschool/>.

## Science and engineering jobs and career opportunities

Jobs and career opportunities in engineering, surveying, nuclear, utilities, earth and environmental and science including graduate and trainee, Project Management, Microsoft Dynamics AX Administrator, Accountants. Send your Resume/CV to [amec-careers@europe.com](mailto:amec-careers@europe.com). Note: Only qualified candidates will be contacted.



Regards, Will Serle (HRM), [wesley\\_belle@aol.com](mailto:wesley_belle@aol.com)

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**DEPUTY DIVISION DIRECTOR, DIVISION OF MATERIALS RESEARCH,  
National Science Foundation**



The Directorate for Mathematical and Physical Sciences (MPS) announces a nationwide search to fill the position of Deputy Division Director, Division of Materials Research (DMR). Appointment to this Senior Executive Service position will be on a career basis with a salary range of \$157,000-\$174,100. Information about the Division's activities may be found at <http://www.nsf.gov/materials>. The successful candidate will possess an established record of significant achievement in research administration as well as leadership responsibility in academe, industry, or government. In addition to having a strong record of research and education accomplishments within his or her technical communities, the Deputy Division Director must be experienced and competent in technical, financial, and administrative management. He/she must work well with people, be an effective communicator, and act as a mentor to continuously develop the diversity of talents and skills of his or her colleagues at all levels. Announcement DMR-2014-0003, with position requirements and application procedures, is located at <https://www.usajobs.gov/GetJob/ViewDetails/371147100>. Applicants may also obtain the announcement by contacting the Executive Personnel Staff, 703-292-4345. Hearing impaired individuals may call TDD 703-292-5090. Applications must be received by the **closing date of July 1, 2014**.

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**University of Michigan's President's Postdoctoral  
Fellowship Program**

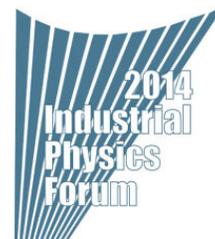


The University of Michigan offers postdoctoral research fellowships in science, technology, engineering, mathematics (STEM), economics, and political science, coupled with faculty mentoring, professional development, and academic networking opportunities. These postdoctoral fellowships provide an exceptional opportunity to recruit potential new faculty to the University by offering the possibility of either a postdoc alone or a combined postdoc and tenure track faculty appointment. The University seeks applicants whose research, teaching, and service will contribute to diversity and equal opportunity in higher education. The program is interested in scholars with the potential to bring to their research and undergraduate teaching the critical perspective that comes from their non-traditional educational background or understanding of the experiences of groups historically underrepresented in higher education. The program is aimed at those interested in pursuing a postdoctoral research fellowship in science, technology, engineering, mathematics (STEM), economics, or political science. Applicants who are not U.S. citizens or permanent residents when the application is due will not be considered. Applicants should expect to complete their doctorate on or before July 1 of the year following their application. The University of Michigan President's Postdoctoral Fellowship Program awards fellowships in the fields listed above for research conducted under faculty sponsorship. The annual award provides a salary of \$50-60,000, depending on the field and level of experience, and \$10,000 for research and professional development. The award also includes enrollment in health plan for fellow and dependent(s), group life insurance, three weeks of sick leave, and one month (non-accrual) of vacation. **On-line applications due by November 1, 2014**, see <http://sitemaker.umich.edu/um-postdocs> for more information.

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**Conference on Industrial Physics in Emerging Economies II  
Sept. 28 – Oct. 3, 2014 at the University of Campinas**

AIP, the International Center for Theoretical Physics, and the University of Campinas announce an upcoming Industrial Physics Forum, "Conference on Industrial Physics in Emerging Economies II," to be held Sept. 28 – Oct. 3, 2014 at the University of Campinas (near Sao Paulo) in Brazil. The first three days of the conference will include talks, networking opportunities, and a field excursion designed to illustrate how physical scientists can contribute to the scientific and economic growth of their regions. The final two days will be a short course on entrepreneurship for physicists. **Travel support is available for graduate students, post docs, and early career scientists, and for scientists in need of financial aid who are attending from regions with developing or emerging economies.** More information: <http://www.aip.org/industry/ipf/2014/capacity-building-industrial-physics-developing-emerging-economies>. If you have any questions, please contact Bo Hammer at AIP: [hammer@aip.org](mailto:hammer@aip.org)



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### **Hans A. Bethe Prize: Call for Nominations**

The Division of Nuclear Physics solicits nominations for the Hans A. Bethe Prize, which is jointly sponsored with the Division of Astrophysics. This prize is intended to recognize outstanding work in theory, experiment or observation in the areas of astrophysics, nuclear physics, nuclear astrophysics, or closely related fields. The prize consists of \$10,000 and a certificate citing the contributions made by the recipient. This prize is endowed by contributions from the Division of Astrophysics, the Division of Nuclear Physics, and friends of Hans A. Bethe to honor him for his outstanding and numerous accomplishments in both astrophysics and nuclear physics. For details, see <http://www.aps.org/programs/honors/prizes/bethe.cfm>. **DEADLINE - 1 July 2014**



### **Division of Nuclear Physics**

#### **Tom W. Bonner Prize in Nuclear Physics**

The Division of Nuclear Physics solicits nominations for the Tom W. Bonner Prize in Nuclear Physics. This prize is intended to recognize and encourage outstanding experimental research in nuclear physics, including the development of a method, technique, or device that significantly contributes in a general way to nuclear physics research. The prize consists of \$10,000 and a certificate citing the contributions made by the recipient. This prize is endowed by contributions from the Division of Nuclear Physics, and friends, students, and associates of Tom W. Bonner. For details, see <http://www.aps.org/programs/honors/prizes/bonner.cfm>. Nominations are open to physicists whose work in nuclear physics is primarily experimental. There are no time limitations on when the work was performed. The prize shall ordinarily be awarded to one person, but a prize may be shared among recipients when all the recipients have contributed to the same accomplishment. Nominations of women, members of other under-represented groups, young scientists, and international scientists are encouraged. **Deadline - 1 July 2014**

#### **Herman Feshbach Prize**

The Division of Nuclear Physics solicits nominations for the Herman Feshbach Prize in Theoretical Nuclear Physics. This prize is intended to recognize and encourage outstanding research in nuclear physics. The prize consists of \$10,000 and a certificate citing the contributions made by the recipient. This prize was established by contributions from institutions and the Division of Nuclear Physics and friends and family of Herman Feshbach to honor his numerous contributions to theoretical physics. For details, see <http://www.aps.org/programs/honors/prizes/feshbach.cfm>. Nominations are open to physicists whose work in nuclear physics is primarily theoretical. There are no time limitations on when the work described in the citation was performed. The prize shall be awarded to one person, or it may be shared by up to three persons when all recipients have contributed equally to the same accomplishment. Nominations of women, members of other under-represented groups, young scientists, and international scientists are encouraged. **Deadline: 1 July 2014.**

#### **APS-DNP Dissertation Award in Nuclear Physics**

The Division of Nuclear Physics solicits nominations for the Dissertation Award in Nuclear Physics. This Award is intended to recognize a recent Ph. D. in nuclear physics. The Award consists of \$2500 plus an allowance for travel to the Fall Meeting of the Division of Nuclear Physics, at which time the award will be presented. Nominations are open to any person who has received a Ph. D. degree in experimental or theoretical nuclear physics from a North American university within the two year period preceding 1 July 2014. Nominations of women and members of other under-represented groups are encouraged. Submit prior to 1 July 2014 the nomination of the proposed candidate, a statement of her/his contribution to the research as well as that of others, and a letter of support from physicists who are familiar with the candidate and the research. To expedite the process, copies of the thesis (preferably a pdf) should be made available for the five committee members. Materials should be sent to the committee chair Ani Aprahamian. Her postal address is 225 Nieuwland Science Hall, Dept. of Physics, Univ. of Notre Dame, Notre Dame, IN 46556. Her email address is [aapraham@nd.edu](mailto:aapraham@nd.edu). **Deadline - 1 July 2014**



## DIRECTOR Nanoscience and Technology Division

Argonne National Laboratory invites applications for the position of Director of the Nanoscience and Technology Division (NST) to lead the division's multidisciplinary science and user research programs. NST's mission includes the development of advanced concepts and instrumentation that will lead to breakthroughs in fabricating and exploring novel nanoscale materials and tailoring and discoveries of nanoscale phenomena. NST includes the Center for Nanoscale Materials (CNM) and the Electron Microscopy Center (EMC). The CNM is a Department of Energy (DOE) national user facility that provides the expertise and capabilities for the synthesis, fabrication, characterization, and theory of materials at the nanoscale. The CNM also operates a nanoprobe beamline at the Advanced Photon Source for characterization of nanomaterials with hard X-rays. The CNM is one of five U.S. Nanoscale Science Research Centers and host to over 400 external users per year. NST also manages the EMC, a DOE national user facility that offers unique capabilities for electron beam characterization of energy materials and processes.

The Division Director will be expected to work with NST scientific and management staff to: (1) enhance the strengths and visibility of existing multidisciplinary staff and user research programs, and identify new research directions that are strategically aligned with DOE's missions; (2) enable a world-class user program with an engaged, satisfied and diverse user community; (3) recruit, hire, and retain world-class researchers; (4) promote interactions with other programmatic directorates and user facilities; (5) interface with facility and programmatic sponsors at DOE; and (6) foster and maintain high standards in Environmental, Safety, and Health and quality assurance for all of the Division's activities.

The successful candidate should have a Ph.D., an internationally recognized research stature, 10+ years of scientific leadership in the physical sciences with experience in nanoscience, and a proven track record of managing multidisciplinary research programs. For a description of Divisional programs, please visit NST's Home Page at <http://www.nano.anl.gov>.

Argonne offers an excellent compensation and benefits package. For full consideration, please apply by **July 31, 2014** at [www.anl.gov/careers](http://www.anl.gov/careers) to **Requisition 322255**. Interested candidates should include a curriculum vitae, list of publications, awards, patents, etc., and salary history. In addition please include 4 names that can provide a professional reference.

Argonne National Laboratory is a multi-program laboratory managed by UChicago Argonne, LLC for the U.S. Department of Energy's Office of Science. We are an equal opportunity employer and value diversity in our workforce. Argonne's site is located about 25 miles southwest of Chicago on a beautiful 1500 acre campus. For additional information, please refer to Argonne's Home Page at <http://www.anl.gov>.

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### Nominate candidates for the open positions in the FIP

Just a reminder that there is still time to nominate candidates for the open positions in the FIP Executive Committee. The following positions become vacant beginning January 2015:

- 1) Vice-Chair
- 2) Two Members-at-Large

If you wish to review the current make up of the FIP Executive Committee, please go to: <http://units.aps.org/units/fip/>. Sergio Ulloa, Past Chair of the Executive Committee, serves as Chair of the Nominating Committee. Submit nominations directly to him ([ulloa@ohio.edu](mailto:ulloa@ohio.edu)). NOMINATIONS WILL CLOSE ON JULY 15, 2014. Nominators: please verify that the nominee has agreed to be a candidate before you send in the nomination. WE URGE YOU TO USE THE FORM BELOW (also posted on the FIP web site). The new Executive Committee members will be expected to participate in the activities of the FIP. Chief among these is the annual meeting of the Executive Committee - usually held in conjunction with the APS March or April Meetings. If you or your nominee have any questions regarding FIP and the election process, please contact Sergio Ulloa or myself ([nmirkin@umich.edu](mailto:nmirkin@umich.edu)). The Nominating Committee will identify the candidates from the list of nominees, and you will then have an opportunity to vote your preference.

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### Joint town meetings for Low Energy Nuclear Physics and Nuclear Astrophysics August 21-23 at Texas A&M

The Nuclear Science Advisory Committee (NSAC) was charged from the DOE Office of Science and the Mathematical and Physical Sciences Division of the NSF requesting the development of a Long Range Plan (LRP) for nuclear physics. As announced by the DNP Executive Committee on June 3, the DNP will facilitate broad participation of the nuclear science community in the development of this plan. An important part of the process is a set of town meetings representing all areas of nuclear physics that will take place later this summer with a charge to generate white papers due in December. These white papers will serve as input to the next stage of the LRP process. With this in mind we want to draw your attention to the joint town meetings for Low Energy Nuclear Physics and Nuclear Astrophysics August 21-23 at Texas A&M. This time slot had been reserved for the Annual Low Energy Users Meeting. We thank the organizing committee for this meeting for their willingness to forgo their meeting in favor of our two Town Meetings.

Hendrik Schatz (Michigan State University, [schatz@nscl.msu.edu](mailto:schatz@nscl.msu.edu))

Michael Wiescher (University of Notre Dame, [Michael.C.Wiescher.1@nd.edu](mailto:Michael.C.Wiescher.1@nd.edu))

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<p><b>The Hispanic Physicist.</b> Published whenever there is news and the Editor has enough time. Send news, letters, congratulations, etc. to Jorge A. Lopez, <a href="mailto:jorgelopez@utep.edu">jorgelopez@utep.edu</a>. <a href="http://www.hispanicphysicists.org/">http://www.hispanicphysicists.org/</a>.</p>
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